Application No.

DECLARATION AND POWER OF ATTORNEY

Country

Attorney's Docket No. 07815.105003

Priority Claimed Under 35 USC §119 (a)-(d)

In re Application of: Nuggehally S. Jayant, Seong H. Jang, and Junghyun Youn

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: ADAPTIVE EDGE DETECTION AND ENHANCEMENT FOR IMAGE PROCESSING, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. I understand that I have a duty of candor and good faith toward the Patent and Trademark Office, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37. Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

Filing Date

		Y CS	No		
I hereby claim the benefit listed below:	t under Title 35, United States	Code, § 119(e) of any United Stat	es provisional application(s)		
60/217,301	July 11, 2000				
(Application No.)	(Filing Date)	(Application No.)	(Filing Date)		
insofar as the subject mat application in the manner disclose material informat	ter disclosed and claimed in the provided by the first paragraph in ion as defined in Title 37, Code	ode, §120 of any United States app e present application is not disclose of Tide 35, United States Code §11 of Federal Regulations, §1.56 which CT international filing date of this	od in the prior United States 2, I acknowledge the duty to th became available between		
Application Serial No	. <u>Filing Date</u>	Status: patented, pendir	Status: patented, pending, abandoned		
information and belief are false statements and the li- the United States Code, an issuing thereon. POWER OF ATTORNEY the Patent and Trademark Sullivan-36,942; Holmes	beheved to be true; and further ke so made are punishable by fi id that such willful false stateme : The following are hereby app; : Office connected therewith: J. Hawkins-38,913; Steven P. tt-Paris-47,226; A. Shane Nich	y own knowledge are true and that these statement were made wine or imprisonment, or both, under nits may jeopardize the validity of the ointed to prosecute this application Sherry M. Knowles-33,052; W. S. Wigmore-40,447; Lisa K. Nortonols-43,836; William O. Isaacs II-4	th the knowledge that willful Section 1001 of Title 18 of the application or any patents and transact all business in cort Petty-35,645; Clark 6,4977; Cheles E. Parley		
Send correspondence to:	King & Spalding, Customer 191 Peachtree Street, N.E., 45 Atlanta, Georgia 30303	No. 20786 Direct telephone of Floor A. Shane Ni	calls at (404) 572-4600 chols, Esq.		
Full name of first invent	or: Nuggehally S. Jayant	Citizenship	: U.S.		
Inventor's signature	Stayant	Date: Ju			
Residence and Post Offic	ce Address: 4390 Candacraig		0		

PAGE 23

PAGE 24

DECLARATION AND POWER OF ATTORNEY Attorney's Docket No. 07815.105003

In re Application of: Nuggehally S. Jayant, Seong H. Jang, and Janghyun Yoon

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: ADAPTIVE EDGE DETECTION AND ENHANCEMENT FOR IMAGE PROCESSING, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. I understand that I have a duty of candor and good faith toward the Potent and Trademark Office, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

Application No.	Country	Filing Date	Priority Claimed Under 35 USC \$119 (a)-(d)			
			Yes_		N	
I hereby claim the ben listed below:	efit under Tit	le 35, United States Cod	c, § 119(e) of any	United	States p	rovisional application(s)
60/217,301	July 11	2000				
(Application No.)	(Filing Date)	(Application N	lo.)		(Filing Date)
insofar as the subject of application in the mann disclose material inform	natter discloss er provided b nation as defin	e 35, United States Code, ed and claimed in the proy the first paragraph of T. and in Title 37, Code of F. and the national or PCT.	sent application is ide 35, United State ederal Regulations	not dis s Code §1.56	closed in §112, I which be	n the prior United States acknowledge the duty to ecame available between
Application Serial	No.	Filing Date	Status: patented, pending, abandoned			
the United States Code, issuing thereon. POWER OF ATTORN! the Patent and Tradem. Sullivan-36,942; Holms	and that such EY: The following ark Office co s J. Hawkins nett-Paris-47,	are punishable by fine of willful false statements in owing are hereby appoint nuected therewith: Sheit-38,913; Steven P. Wig 226; A. Shane Nichols-4	nay jeopardize the ed to prosecute this ry M. Knowles-33 more-40,447: Lisa	applica ,052; V K. No	of the apartion and V. Scott	pplication or any patents transact all business in Petty-35,645: Clark G.
Send correspondence to:		King & Spalding, Customer No. 20 191 Peachtree Street, N.E., 45th Flo		Direct telephone calls at (404) 572-3507		
		Atlanta, Georgia 30303		A. Shane Nichols, Esq.		
Full name of second inventor: Seong H. Jang			itizen	ship: Ke	orean	
Inventor's signature	Jan S	nythin		Date:	Tuly	11. 2001
Residence and Post Office Address: 1624 Brook View Ave, Doraville, Georgia 30340						

07/11/2001 13:37 4048945692 BROADBAND INSTITUTE

Application No.

Country

DECLARATION AND POWER OF ATTORNEY Automey's Docket No.

Attorney's Docket No. 07815.105003

Priority Claimed Under 35 USC \$119 (a)-(d)

In re Application of: Nuggehally S. Jayant, Seong H. Jang, and Janghyun Yoon

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: ADAPTIVE EDGE DETECTION AND ENHANCEMENT FOR IMAGE PROCESSING, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. I understand that I have a duty of candor and good faith toward the Patent and Trademark Office, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35. United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

Filing Date

		Yes	No		
I hereby claim the benefi listed below:	it under Title 35, United States Code,	119(e) of any United Sta	tes provisional application(s)		
60/217,301	July 11, 2000				
(Application No.)	(Filing Date)	(Application No.)	(Filing Date)		
insofar as the subject mat application in the manner disclose material informat	under Title 35, United States Code, §1 tter disclosed and claimed in the preser provided by the first paragraph of Title tion as defined in Title 37, Code of Fede application and the national or PCT into	it application is not disclos 35, United States Code §1 Hal Regulations, §1.56 whi	ed in the prior United States 12, I acknowledge the duty to ch became available between		
Application Serial No	D. Filing Date	Status: patented, pendi	tatus; patented, pending, abandoned		
the United States Code, an issuing thereon. POWER OP ATTORNEY the Patent and Trademark Sullivan-36,942; Holmes	ke so made are punishable by fine or in all that such willful false statements may ': The following are hereby appointed to Office connected therewith: Sherry J. Hawkins-38,913; Steven P. Wigmo: tt-Paris-47,226; A. Shane Nichols-43,8 -P-48,394.	jeopardize the validity of the prosecute this application M. Knowles-33,052; W. Sec-40,447; Lisa K. Norton	the application or any patents a and transact all business in fact Petty-35,645; Clark G. -44,977; Charles E. Peeler-		
Send correspondence to:	King & Spalding, Customer No. 207 191 Peachtree Street, N.E., 45 th Floor	,	calls at (404) 572-3507		
	Atlanta, Georgia 30303	A. Shane N	ichols, Esq.		
Full name of third inventor: Janghyun Yoon		Citizenshi	p: Korean		
Inventor's signature	Joseph Joseph	Date: Fu	ly.11.2001		
Residence and Post Offi	ce Address: 3375 Spring Hill PKW	Y #370, Smyrna, Georgi	30080		

01/11/2001 13:37 4048945692